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#### Application Number 10595757 Filing Date 2006-05-09 INFORMATION DISCLOSURE First Named Inventor Masuda Masahisa STATEMENT BY APPLICANT Art Unit 2614 ( Not for submission under 37 CFR 1.99) Examiner Name Alexander Jamai Attorney Docket Number 5869-0048

	U.S.PATENTS							
Examiner Initial*	Cite No Patent Number		Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
	1	4972491		1990-11-00	Wilcox			
	2	5899973	•	1999-05-04	Bandara et al.			
	3	5824966		1998-10-20	Leight			
	4	5118309		1992-06-02	Ford			
	5	5099519		1992-03-24	Guan			
	6	4837829		1989-06-06	Lobb			
	7	4668842		1987-05-26	Yokoyama et al.			
	8	4644330		1987-02-17	Dowling			

Application Number		10595757 2006-05-09		
Filing Date				
First Named Inventor	Mas	uda Masahisa		
Art Unit		2614		
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Attorney Docket Numl	oer	5869-0048		

9	4403120	1983-09-06	Yoshimi	
10	4280018	1981-07-21	Lazarus et al.	
11	3781492	1973-12-00	Cragg et al.	
12	3829624	1974-08-00	Goodin et al.	
13	5104824	2000-08-00	Ito	
14	5172410	1992-12-00	Chace	
15	5287406	1994-02-00	Kakuishi	
 16	5715309	1998-02-00	Bartkowiak	
17	5311144	1993-08-00	Grasset	
 18	5235637	1993-08-00	Kraz et al.	
19	4691313	1987-09-00	lwata .	

Application Number		10595757	
Filing Date		2006-05-09	
First Named Inventor	Mas	suda Masahisa	
Art Unit		2614	
Examiner Name	Alex	rander Jamal	, , , , , , , , , , , , , , , , , , , ,
Attorney Docket Num	oer	5869-0048	

20	4065646	1977-12-00	Schuh
21	5393989	1995-02-00	Gempe et al.
22	5465298	1995-11-00	Wilkison et al.
23	3114105	1963-12-00	Neumiller
24	3370236	1968-02-00	Walker
25	4002860	1977-01-00	Terai et al.
26	4052562	1977-10-00	Anderson
27	4598396	1986-07-00	Upp et al.
28	4629829	1986-12-00	Puhl et al.
29	4741018	1988-04-00	Potraz et al.
30	4912758	1990-03-00	Arbei

Application Number		10595757		
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Art Unit		2614		
Examiner Name Alexa		ander Jamal		
Attorney Docket Number		5869-0048	- Approximately	

 	· · · · · · · · · · · · · · · · · · ·	-1	
31	5007046	1991-04-00	Erving et al
32	5115471	1992-05-00	Liden
33	5168522	1992-12-00	Simanis et al.
34	5265264	1993-11-00	Dzunt et al.
35	5379450	1995-01-00	Hirasawa et al.
36	5471666	1995-11-00	Sugiyama et al.
37	5586193	1996-12-00	Ichise et al.
38	6175633	2001-01-00	Morrill et al.
39	5692059	1997-11-00	Kruger, Fredrick M.
40	4833719	1981-07-00	Carme et al.
41	4156800	1979-05-00	Sear

Application Number		10595757		
Filing Date		2006-05-09		
First Named Inventor	Masu	da Masahisa		
Art Unit		2614		
Examiner Name Alexa		nder Jamal		
Attorney Docket Number		5869-0048		

ç									
	42	4966045		1987-09-00	Rosenthal				
	43	5335286	The state of the s	1994-08-00	Carlson et al.				
	44	1224331	111111111111111111111111111111111111111	1917-05-00	Smith				
	45	6105714	The state of the s	2000-08-00	Lindgren	·			
	46	5265264		1993-11-00	Dzunt, et al.				
	47	5410595		1995-04-00	Park et al.				
	48	2955140		1976-05-00	Stephens et al.				
	49	4470127		1984-09-00	Thompson, E. Earle				
	50	4519029		1985-05-00	Thompson, E. Earle				
If you wis	If you wish to add additional U.S. Patent citation information please click the Add button.								
			U.S.P	ATENT APPLI	CATION PUBLICATIONS				
Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			

Application Number		10595757		
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First Named Inventor	Masu	uda Masahisa		
Art Unit		2614		
Examiner Name A		nder Jamal		
Attorney Docket Number		5869-0048		

	1	20030134600	2003-0	7-00	Picone et al.			
If you wish	h to ac	⊔ dd additional U.S. Pub	lished Applicatio	n citatio	ı ı information ı	please click the Add butto	on.	
			FOREI	GN PAT	ENT DOCUM	MENTS		
Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup> í	Kind Code4	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5
	1	032833	JP ·	***************************************	1981-04-00	Sugiyama	-	
	2	2755561	FR		1998-05-07	Neill		
	3	WO 97/27721	wo		1997-07-31	Makkonen		
	4	WO 98/45937	wo		1998-10-15	Morrill		
	5	2001060895	JP		1999-08-20	Hikima Hideo		
If you wish	n to ac	dd additional Foreign F	atent Document	citation	Information p	lease click the Add butto	n	
			NON-PATE	NT LITE	RATURE DO	CUMENTS		
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.					<b>T</b> 5	
	1	Sedra et al., "Microelec	tronic Circuits," Ju	ly 1990, s	second edition,	page 143.		

V			
Application Number		10595757	
Filing Date		2006-05-09	
First Named Inventor	Mas	uda Masahisa	
Art Unit		2614	4,4,4
Examiner Name Alex		ander Jamal	-
Attorney Docket Number		5869-0048	

	2	Frank Kasparec, St. Poelten, Austria, "Bilateral Speaker Networks Form Switchless Intercom, Electronics, Vol 53 page 131, July 3, 1980.	
	3	Compandor IC (Noise Reduction System), TK 10651M, -L, -D, TokyoSemiconductor, Catalog No. Z-1480110E.	and the same of th
	4	D5004 Cellular Telephone Echo Control Device, DSP Group, Inc. Jan. 1991, Rev. 2.0.	
	5	Telephone Coupling Transformer, Mouser Electronics, Feb. 16 1995.	
	6	Audio Transformers Telephone Coupling, Magna Tek, 90 East Union Street, Goodland, IN 47948.	
	7	Engineering Bulletin, Magnekek Goodland, pp. 2-3.	
	8	Low Voltage Compander, Specification and Applications Information, Motoroia Semiconductors, MC33110.	
:	9	LA8632M Case Outline: MFP-24S(300mil) Plastic Package.	
	10	Written Opinion of the International Searching Authority for PCT/US04/37409; Date of mailing August 29, 2005; ISA/US	
	11	International Search Report for PCT/US97/22887; Date of mailing Jan. 4, 1999; ISA/US.	
	12	International Search Report for PCT/US01/22121; Date of mailing Nov. 11, 2002; ISA/EPO.	

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Art Unit		2614	
Examiner Name	Alexa	ander Jamal	
Attorney Docket Numb	per	5869-0048	

		,							
W-1000 A-100 A	13	International Preliminary Examination Report for PCT/US01/22121; Date of completion of report June 6, 2003.							
	14	Interr	nternational Search Report for PCT/US97/22887; Date of mailing Jan. 4, 1999; ISA/US.						
	15	Interr	national Search Report for PCT/US02/33799; Date of mailing Jan. 24, 2003; ISA/EPO.						
	16	International Search Report for PCT/US04/37409; Date of mailing Aug. 29, 2005; ISA/US.							
	17	Interr IPEA	ternational Preliminary Report on Patentability for PCT/US04/37409; Date of completion of report May 11, 2006; EA/US.						
	18	Stolo	plowitz Ford Cowger Listing of Related Cases, September 2, 2009.						
	19	Anderson, Hagood; "Simultaneous Piezoelectric Sensing Actuation"; J SOUND VIB.; July 28, 1994; Academic Press Ltd., London, Engl., vol 174, no. 5; pg 617-639.							
	20	International Search Report for PCT/US09/38126; Date of mailing July 22, 2009; ISA/US.							
	21	Writte	en Opinion of the International Searching Authority for PCT/US09/38126; Date of mailing July 22, 2009; ISA/US.						
If you wish to add additional non-patent literature document citation information please click the Add button									
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Examiner Name	Alexa	nder Jamai	The state of the s
Attorney Docket Numb	oer	5869-0048	

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